



#2 01-23104

2614

Docket No.: 80398P523

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MARCO PANICONI ET AL.

Application No.: 10/052,699

Filed: January 17, 2002

For: **Motion Segmentation System with
Multi-Frame Hypothesis Tracking**

Art Group: To be assigned

Examiner: To be assigned

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).


The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666.

Respectfully submitted,

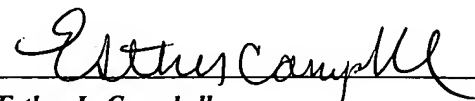
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: September 26, 2003


Sheryl Sue Holloway, Reg. No. 37,850

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Los Angeles, California 90025
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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Esther L. Campbell

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/052,699
Filing Date	January 17, 2002
First Named Inventor	Marco Paniconi et al.
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	80398P523

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

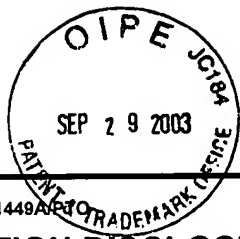
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Considered	

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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/052,699
Sheet 2 of 2				Filing Date	January 17, 2002
				First Named Inventor	Marco Paniconi et al.
				Art Unit	To be assigned
				Examiner Name	To be assigned
				Attorney Docket Number	80398P523

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PHILIPPE ROBERT, Motion compensating interpolation considering occluding, appearing and disappearing areas, Signal Processing of HDTV III, Proceedings of the Fourth International Workshop on HDTV and beyond, Turin, Italy, 4-6 September 1991, pgs. 329-341.	
		WANG ET AL., Representing Moving Images with Layers, IEEE Transactions on Image Processing Special Issue: Image Sequence Compression, vol. 3, no. 5, pgs. 1-13, September 1994.	
		BORSHUKOV ET AL., Motion Segmentation by Multi-Stage Affine Classification, Department of Electrical Engineering and Center for Electronic Imaging Systems, pgs. 1-11.	
		YAIR WEISS, Smoothness in Layers: Motion segmentation using nonparametric mixture estimation, CVPR 97, pgs. 520-527, Puerto Rico.	
		BERGEN ET AL., Dynamic Multiple-Motion Computation, David Sarnoff Research Center, Artificial Intelligence and Computer Vision, 1991, pgs. 147-156.	
		ZHANG ET AL., Image Sequence Coding using Multiple-Level Segmentation and Affine Motion Estimation, IEEE J. on selected areas in communications, vol. 15, no.9, 1997, pgs. 1704-1713.	
		CHANG ET AL., Simultaneous Motion Estimation and Segmentation, IEEE Trans. Image Processing, vol. 6, no. 9, Sept. 1997, pgs. 1326-1333.	
		ZHANG ET AL., Image Sequence Segmentation Using 3D-Structure Tensor and Curve Evolution, IEEE Trans. on Circuits and Systems for Video Technology, vol. 11, no. 5, 2001, pgs. 629-641.	
		MANSOURI et al., Motion Segmentation with Level Sets, Proc. SPIE, vol. 3974, Image and Video Communications and Processes 2000, pgs. 584-595.	
		LEYMARIE et al., Tracking Deformable Objects in the Plane Using an Active Contour Model, IEEE Trans. on Pattern Analysis and Machine Intelligence, Vol. 15, no. 6, June 1983, pgs. 617-634.	
		RESHEF et al., Low Bit-Rate Video Coding Using Iterative Affine Motion Estimation and Quadtree Segmentation, Proc. Int'l Conf. on Digital Signal Processing - DSP95, Limasol, Cyprus, June 1995, pgs. 427-431.	

Examiner Signature		Date Considered	
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